

IN THE CLAIMS

Claims 1-14 (canceled)

25. (new) A substrate having a Fabry-Perot filter applied comprising at least three layers, including a first reflecting layer and a second reflecting layer, wherein both the first reflecting layer and the second reflecting layer consist of metal, with mutually facing reflecting surfaces of the filter spaced apart by a gap of thickness d and enclosing an intermediate layer transmissible to visible light and located in the gap, wherein the first reflecting layer adjoins the substrate and is opaque to light and the outer second reflecting layer is partially transmissible to light. wherein the first reflecting layer is deposited on a web sheeting and the second reflective layer is deposited on the intermediate layer, wherein the first and second reflecting layers comprise a base material, namely of metal, which is the same in each of said first and second reflecting layers, and the intermediate layer comprises a chemical compound of the base material and a further material and wherein the first reflecting layer adjoins the substrate and has a thickness between 10 and 200 nm, the second reflecting layer between 1 and 20 nm and the intermediate layer has a thickness between 50 and 2,000 nm.

26. (new) The substrate as claimed in claim 25, wherein the base material is a metal and the further material oxygen, such that the first and second reflecting layers comprise a metal and the intermediate layer comprises a metal oxide in stoichiometric or nonstoichiometric composition.

27. (new) The substrate as claimed in claim 25, wherein the metal is aluminum and the intermediate layer comprises aluminum oxide.

28. (new) The substrate as claimed in claim 25, wherein the base material is a metal and the further material nitrogen, such that the reflecting layers comprise a metal and the intermediate layer comprises a metal-nitrogen compound in stoichiometric or nonstoichiometric composition.

30. (new) The substrate as claimed in claim 28, wherein the metal is aluminum and the intermediate layer is therewith comprised of an aluminum nitride.